

REMARKS

In connection with the filing of a request for continued examination (“RCE”), the above amended claims and following remarks are submitted in response to the Final Office Action dated November 26, 2007. The Applicants respectfully request reconsideration in view of the following remarks and amendments. Claims 1 and 6 are amended. Accordingly, claims 1-10 are pending in the application.

I. Claim For Priority

The Applicants note the Examiner’s acknowledgment of Applicant's claim for foreign priority under 35 U.S.C. 1 19(a)-(d) based on the certified copy filed in parent Application No. KR 2002-13079, filed on 5th of October 2007.

II. Claims Rejected Under 35 U.S.C. § 102

Claims 6 and 8 are rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent 6,667,984 B1 issued to Chao et al. (hereinafter “Chao”). To establish an anticipation rejection the Examiner must show that the cited reference teaches each element of a claim.

Claim 6, as amended, recite the elements of “in step (c), a first output port which has a first credit value with full state of buffer does not transmit a grant signal to a first input port which sends a request signal to the first output port, and a second output port which has a second credit value with no full state of buffer selects one among second input ports which send a request signal to the second output port and transmits the grant signal to one selected second input port.” Support for the amendments may be found, for example, in page 11, lines 3-15 of the Specification. Chao fails to disclose these elements as discussed below.

According to the above amendments of claim 6, a first output port which has a first credit value with a full state of buffer **does not transmit a grant signal to a first input port** which sends a request signal to the first output port, and a second output port which has a second credit value with no full state of buffer **selects one among second input ports** which sends a request signal to the second output port and transmits the grant signal to one selected second input port. Furthermore, an arbitration method of claim 6 uses three types of signals that are request signals, a grant signal, and an accept signal. The request signals are transmitted to the output port from a

plurality of (second) input ports, and the grant signal is transmitted to a selected one input port among input ports from the output port. Finally, the accept signal is transmitted to the output port.

In light of at least the reasons set forth above, the Applicants respectfully submit that the above recited elements in claim 6 are not disclosed by Chao. Moreover, the Applicants note that Chao fails to teach the elements of “a plurality of buffers for storing a predetermined sized cell,” as recited in claim 6 as well. In addition, dependent claim 8 is patentable over Chao because of its dependency on claim 6. Accordingly, reconsideration and withdrawal of the rejection of claims 6 and 8 are respectfully requested.

III. Claims Rejected Under 35 U.S.C. § 103

Claims 1 - 3 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Chao in view of U.S. Patent Publication No. 2003/10123469 issued to Nong (hereinafter “Nong”).

In regard to claim 1, this claim, as amended, includes analogous limitations to those recited in claim 6. Thus, for at least the same reasons discussed in connection with claim 6, claim 1 is patentable over Chao. Moreover, Nong fails to teach or suggest the missing elements. The Examiner has not cited and the Applicants are unable to discern the portion of Nong that discloses the missing elements. Thus, for at least these reasons, Chao in view of Nong fails to teach or suggest each element of claim 1. In addition, dependent claims 2 and 3 are patentable over Chao because each of these claims depends on claim 1. Accordingly, reconsideration and withdrawal of the rejection of claims 1-3 are respectfully requested.

Claim 4 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Chao in view of Nong in further view of U.S. Publication No. 2004/0083326 A1 issued to Wang et al. (hereinafter “Wang”).

In regard to claim 4, this claim depends on base claim 1 and incorporates the limitations thereof. Therefore, for at least the reasons discussed in connection with claim 1, Chao in view of Nong fails to teach or suggest each element of claim 4. In addition, the Examiner has not cited and the Applicants are unable to discern the portion of Wang that teaches or suggests the missing elements. Thus, for at least these reasons, Chao in view of Nong in further view of Wang fails to

teach or suggest each element of claim 4. Accordingly, reconsideration and withdrawal of the rejection of claim 4 are respectfully requested.

Claim 5 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Chao in view of Nong in view of Wang in further view of U.S. Publication No. 2002/0150121 A1 issued to Van Wageningen et al. (hereinafter “Van Wageningen”).

In regard to claim 5, this claim depends on base claim 1 and incorporates the limitations thereof. Therefore, for at least the reasons discussed in connection with claim 1, Chao in view of Nong fails to teach or suggest each element of claim 5. In addition, the Examiner has not cited and the Applicants are unable to discern the portions of Wang and Van Wageningen that teach or suggest the missing elements. Thus, for at least these reasons, Chao in view of Nong in view of Wang in further view of Van Wageningen fails to teach or suggest each element of claim 5. Accordingly, reconsideration and withdrawal of the rejection of claim 5 are respectfully requested.

Claims 7 and 9 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Chao in view of Van Wageningen.

In regard to claims 7 and 9, these claim depend on base claim 6 and incorporate the limitations thereof. Therefore, for at least the reasons discussed in connection with claim 6, Chao fails to teach or suggest each element of claims 7 and 9. In addition, the Examiner has not cited and the Applicants are unable to discern the portion of Van Wageningen that teaches or suggests the missing elements. Thus, for at least these reasons, Chao in view of Van Wageningen fails to teach or suggest each element of claims 7 and 9. Accordingly, reconsideration and withdrawal of the rejection of claims 7 and 9 are respectfully requested.

Claim 10 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Chao in view of Van Wageningen in further view of McKeown “*The iSLIP Scheduling Algorithm for Input-Output Switches*” (hereinafter “McKeown”).

In regard to claim 10, this claim depends on base claim 6 and incorporates the limitations thereof. Therefore, for at least the reasons discussed in connection with claim 6, Chao fails to teach or suggest each element of claim 10. In addition, the Examiner has not cited and the

Applicants are unable to discern the portions of Van Wageningen and McKeown that teach or suggest the missing elements. Thus, for at least these reasons, Chao in view of Van Wageningen in further view of McKeown fails to teach or suggest each element of claim 10. Accordingly, reconsideration and withdrawal of the rejection of claim 10 are respectfully requested.

CONCLUSION

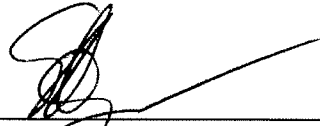
In view of the foregoing, it is believed that all claims now pending patentably define the subject invention over the prior art of record, and are in condition for allowance and such action is earnestly solicited at the earliest possible date. If the Examiner believes that a telephone conference would be useful in moving the application forward to allowance, the Examiner is encouraged to contact the undersigned at (310) 207 3800.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 2/26, 2008

1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
(310) 207-3800


Eric S. Hyman, Reg. No. 30,139

CERTIFICATE OF ELECTRONIC FILING

I hereby certify that this paper is being transmitted online via EFS Web to the Patent and Trademark Office, Commissioner for Patents, Post Office Box 1450, Alexandria, Virginia 22313-1450, on 2-26, 2008.


Melissa Stead 2-26, 2008